Chapter 1

Overview

1.1 Scope

This guide is intended for properly trained service personnel and technicians who need to install the following Arista Networks Data Center Switches:

DCS-7048T-A	DCS-7050T-36	DCS-7150S-24
DCS-7050Q-16	DCS-7050T-52	DCS-7150S-52
DCS-7050QX-32	DCS-7050T-64	DCS-7150S-64
DCS-7050S-52	DCS-7124FX	
DCS-7050S-64	DCS-7124SX	

Important! Only qualified personnel should install, service, or replace this equipment.

1.2 Receiving and Inspecting the Equipment

Upon receiving the switch, inspect the shipping boxes and record any external damage. Retain packing materials if you suspect that part of the shipment is damaged; the carrier may need to inspect them.

If the boxes were not damaged in transit, unpack them carefully. Ensure that you do not discard any accessories that may be packaged in the same box as the main unit.

Inspect the packing list and confirm that you received all listed items. Compare the packing list with your purchase order. Appendix B provides a list of components included with the switch.

1.3 Installation Process

The following tasks are required to install and use the switch:

Step 1 Select and prepare the installation site (Section 2.1).

Step 2 Assemble the installation tools listed in Section 2.2.

Step 3 Attach the mounting brackets and install the switch in an equipment rack (Chapter 3).

Step 4 Connect the switch to the power source and network devices (Chapter 4).

Step 5 Configure the switch (Chapter 5).

Important!　Class 1 Laser Product: This product has provisions to install Class 1 laser transceivers which provide optical coupling to the communication network. Once a Class 1 laser product is installed, the equipment is a Class 1 Laser Product (Appareil à Laser de Classe 1). The customer is responsible for selecting and installing the Class 1 laser transceiver and for insuring that the Class 1 AEL (Allowable Emission Limit) per EN/IEC 6-825, CSA E60825-1, and Code of Federal Regulations 21 CFR 1040 is not exceeded after the laser transceiver have been installed. Do not install laser products whose class rating is greater than 1. Refer to all safety instructions that accompanied the transceiver prior to installation. Only Class 1 laser devices, certified for use in the country of installation by the cognizant agency are to be utilized in this product.

Important!　Ultimate disposal of this product should be in accordance with all applicable laws and regulations.

1.4　Safety Information

Refer to the Arista Networks document Safety Information and Translated Safety Warnings available at:

http://www.aristanetworks.com/en/support/docs/eos

1.5　Obtaining Technical Assistance

Any customer, partner, reseller or distributor holding a valid Arista Service Contract can obtain technical support in any of the following ways:

- **Email:** support@aristanetworks.com. This is the easiest way to create a new service request. Include a detailed description of the problem and the output of "show tech-support".

- **Web:** www.aristanetworks.com/en/support.

  A support case may be created through the support portal on our website. You may also download the most current software and documentation, as well as view FAQs, Knowledge Base articles, Security Advisories, and Field Notices.

- **Phone:** 866-476-0000 or 408-547-5502.

Important!　No user serviceable parts inside. Refer all servicing to qualified service personnel.

1.6　Specifications

Table 1-1 lists the specifications of Arista Data Center switches covered by this guide.

Table 1-1 Switch Specifications

Size	all switches all switches all switches	Height:　　44 mm (1.75 inches) – 1 RU Width:　　445 mm (19 inches) Depth:　　406 mm (16 inches)
Weight	DCS-7048T-A DCS-7050Q-16 DCS-7050QX-32 DCS-7050S-52 / DCS-7050S-64 DCS-7050T-36 DCS-7050T-52 / DCS-7050T-64 DCS-7124FX DCS-7124SX DCS-7150S-24 DCS-7150S-52 / DCS-7150S-64	7.7 kg (17 pounds) 8.2 kg (18 pounds) 9.1 kg (20 pounds) 7.7 kg (17 pounds) 8.2 kg (18 pounds) 9.5 kg (21 pounds) 8.2 kg (18 pounds) 7.7 kg (17 pounds) 8.2 kg (18 pounds) 8.6 kg (19 pounds)

Table 1-1 Switch Specifications (Continued)

Operating Temperature	DCS-7150S-52-R / DCS-7150S-64-R	0° to 35° C (32° to 95° F)
	all other switches	0° to 40° C (32° to 104° F)
Storage Temperature	all switches	-40° to 70° C (-40° to 158° F)
Operating Altitude	all switches	0 to 3,000 meters (0 to 10,000 feet)
Relative Humidity	all switches	5 to 90%
Power Input (AC Power)	all switches	100-240 VAC, 5.29-2.2 A, 50/60 Hz
Power Input (DC Power)	all switches	40-72 VDC, 13.9–7.72 A
Power Output	all switches	Output: 460 W
Power Draw	DCS-7048T-A	280 W / 390 W
(Typical / Maximum)	DCS-7050Q-16	192 W / 303 W
	DCS-7050QX-32	162 W / 332 W
	DCS-7050S-52	103 W / 185 W
	DCS-7050S-64	125 W / 220 W
	DCS-7050T-36	244 W / 289 W
	DCS-7050T-52	347 W / 405 W
	DCS-7050T-64	372 W / 430 W
	DCS-7124SX	120 W / 210 W
	DCS-7124FX	150 W / 240 W
	DCS-7150S-24	191 W / 334 W
	DCS-7150S-52	191 W / 450 W
	DCS-7150S-64	224 W / 455 W